

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 11. (CANCELED)

12. (CURRENTLY AMENDED) A method for enhancing the ~~sugar~~ sucrose content and/or ~~nutritional value~~ ascorbic acid content of fruits of a plant of the genus *Capsicum*, the method comprising manipulating the CL and the Y loci which results in enhanced surose content and/or ascorbic acid content.
13. (CURRENTLY AMENDED) The method according to claim 12, wherein the manipulation provides a plant of the genus *Capsicum* comprising two ~~recessive-y~~ recessive y alleles and two ~~recessive-cl~~ recessive cl alleles.
14. (CURRENTLY AMENDED) The method according to claim 13, wherein ~~the y allele~~ the y allele is ~~derived~~ obtained from a plant selected from the group consisting of *Capsicum annuum*, *Capsicum baccatum*, *Capsicum frutescens*, *Capsicum chinense*, and *Capsicum chacoense*.
15. (CURRENTLY AMENDED) The method according to claim 13, wherein ~~the y allele~~ the y allele is ~~derived~~ obtained from *Capsicum annuum*.
16. (CURRENTLY AMENDED) The method according to claim 13, wherein the ~~recessive cl-allele~~ cl allele is ~~derived~~ obtained from a plant selected from the group consisting of ~~apsicum annuum~~ Capsicum annuum, *Capsicum baccatum*, *Capsicum frutescens*, *Capsicum chinense*, and *Capsicum chacoense*.
17. (CURRENTLY AMENDED) The method according to claim 13, wherein the ~~recessive cl-allele~~ cl allele is ~~derived~~ obtained from *Capsicum annuum*.
18. (CURRENTLY AMENDED) The method according to claim 12, wherein ~~the manipulation results in a plant characterized by fruits having a said~~ the manipulation results in a plant characterized by fruits having a sucrose content ~~which is at least~~ between 1.5 times and 3.4 times higher than the sucrose content of green immature fruits of a plant of the genus *Capsicum* ~~of a~~

- similar type, said green immature fruits having at least one CL allele and at least one Y allele.
19. (CURRENTLY AMENDED) The method according to claim 18, wherein ~~the sucrose~~ said sucrose content of the fruits is ~~more than 5~~ between 5.4 grams and 6.2 grams per kilogram fresh weight.
 20. (CURRENTLY AMENDED) The method according to claim 18, wherein ~~the sucrose~~ said sucrose content of the fruits is ~~5-40~~ between 6.2 grams and 6.6 grams per kilogram fresh weight.
 21. (CURRENTLY AMENDED) The method according to claim 18, wherein ~~the sucrose~~ said sucrose content of the fruits is ~~5.4 to 16.8~~ between 6.6 grams and 7.1 grams per kilogram fresh weight.
 22. (CANCELED)
 23. (CURRENTLY AMENDED) The method according to ~~claim 22~~ claim 12, wherein the ascorbic acid content is ~~at least~~ between 1.3 times and 1.9 times higher than the ascorbic acid content in green immature fruits of a plant of the genus *Capsicum* ~~of a similar type, said green immature fruits having at least one CL allele and at least one Y allele.~~
 24. (CURRENTLY AMENDED) The method according to claim 23, wherein said ascorbic acid content of the fruits is ~~more than 2~~ between 2.1 grams and 2.22 grams per kilogram fresh weight.
 25. (CURRENTLY AMENDED) The method according to claim 23, wherein said ascorbic acid content of the fruits is ~~2 to 7~~ between 2.22 grams and 2.4 grams per kilogram fresh weight.
 26. (CURRENTLY AMENDED) The method according to claim 23, ~~wherein the~~ wherein said ascorbic acid content of the fruits is ~~2.1 to 2.85~~ between 2.4 grams and 2.52 grams per kilogram fresh weight.
 - 27.-28. (CANCELED)
 29. (CURRENTLY AMENDED) A method for increasing the sucrose content and the ascorbic acid content of fruits of a plant of the genus *Capsicum*, comprising

manipulating the CL and the Y loci to provide two recessive ~~y~~ alleles y alleles and two recessive ~~cl~~ alleles cl alleles, wherein the sucrose content is increased to at least between 1.5 times and 3.4 times higher and wherein the ascorbic acid content is increased to between 1.3 times and 1.9 times higher than the sucrose content and the ascorbic acid content of green immature fruits of a plant of the genus *Capsicum* ~~of a similar type~~, said green immature fruits having at least one CL allele and at least one Y allele.

30. (CANCELED)

31. (CURRENTLY AMENDED) The method of ~~claim 30~~ claim 29, wherein the sucrose content is increased to ~~more than 5~~ between 5.4 grams and 7.1 grams per kilogram fresh weight, and the ascorbic acid content is increased to ~~more than 2~~ between 2.1 grams and 2.52 grams per kilogram fresh weight.